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PROFESSIONAL ELECTRONIC BABY SCALE
MOD. BABYONE

USER MANUAL



Read this manual carefully before using the instrument

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By choosing the WUNDER mod. BabyOne professional electronic scale, you have purchased a high precision instrument.

Since over 40 years Wunder has placed its experience at the service of health. This instrument is compliant with national standards in hospitals and clinics with medical class I with measurement function and is calibrated in conformity with accuracy class III.

The instrument is characterised by the possibility of fixing the electronic terminal to the weighing platform by means of a column or else installing the terminal autonomously.

The instrument is equipped with a dual LCD electronic terminal with triple reading to simultaneously view Weight and weight difference calculation.

2. GENERAL RULES



Carefully read this manual before using the instrument as it supplies

important indications concerning **OPERATING SAFETY AND MAINTENANCE**.

The descriptions and illustrations supplied in this manual are not binding.

WUNDER reserves the right to modify its products as deemed convenient in order to approve them without being committed to update this publication.

Conventions:

The following symbols have been used in this manual:



0470 MEDICAL CERTIFICATION



METROLOGICAL CERTIFICATION AND APPROVAL FOR MEDICAL USE



ACCURACY CLASS



ASSISTANCE WARRANTY CERTIFICATE



ATTENTION!

PLACED BEFORE DETERMINING PROCEDURES. COMPLIANCE FAILURE CAN DAMAGE THE PRODUCT



WARNING!

PLACED BEFORE DETERMINING PROCEDURES. COMPLIANCE FAILURE CAN HARM THE OPERATOR OR PATIENT OR DAMAGE THE PRODUCT



WASTE DISPOSAL



TYPE B PARTS SUPPLIED



BATTERY POWER



INDICATION OF WEIGHT FUNCTIONALITY



INDICATION OF STABLE WEIGHT

3. SAFETY



Operators must read this manual carefully, comply with the instructions it contains and become familiar with the correct use and maintenance procedures of the instrument.

- Retain this manual for consultation and as a help in staff training
- Do not overload the instrument beyond its maximum capacity
- Do not apply loads abruptly.
- Do not press the keys with sharp or pointed objects
- Do not try to open the instrument.
- Do not remove seals from the instrument.
- Do not short-circuit the battery terminals
- Use only the power supply provided by Wunder. Before using it, make sure that the local mains voltage is compatible with the voltage of the adapter shown on the identification plate
- Regularly check the integrity of the instrument's power cord and make sure it does not come in contact with hot appliances
- Make sure that the power cord does not create obstruction hazards
- Unplug the instrument before cleaning it
- Do not place the instrument in water or other liquids
- Perform maintenance and subsequent metric verifications regularly

4. SPECIFICATION

Model	BABY TWO
Capacity	Max 3/6kg, e=1/2g; Max 6/15kg, e=2/5g; Max 10/20kg, e=5/10g;
Approvazione OIML	Classe III
Unit weight	kg
Display	LCD 20mm con 5 digits
Dimensions	550 x 290 (vassoio)
Key functions	ON/ZERO/OFF, HOLD, TARE
Power	Adapter 12V 2A Batteries rechargeable
Temperature operation	5°C / 35°C



5. KEYBOARD FUNCTION

Key functions

	Key	Description
	ON/OFF	Key ON. To reset the display (OFF) continuous press 3 seconds
	→0←	Automatic zero weight
	HOLD BLOCCO PESO	To hold weighing result on the display determine stable weighing value
	TARA/TARE	Tare un-wanted weight.

6. INSTALLATION

 **WARNINGS!**

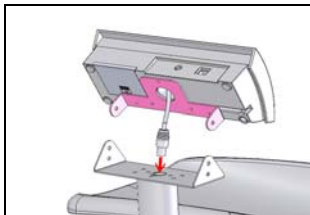
The model BabyOne low without pole is already assembly for use

After removing the instruments from the packing check the integrity and right contents

Put the scale far from source of heat e vibration.

Put the scale on stable surface.

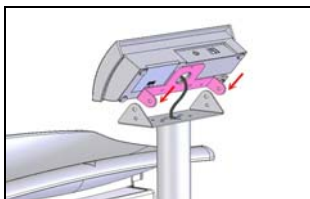
Indicator assembly (version with pole)



Run the cable through the pole

Note: The indicator can be installed according to **FIXED** and **ADJUSTABLE**

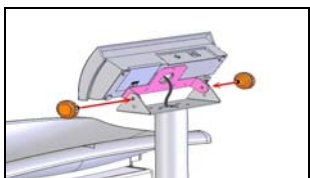
Run the cable through the tube



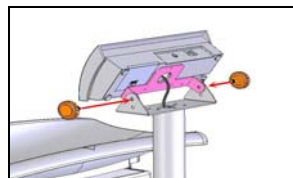
Fixed mode indicator



Adjustable e regolabile indicator

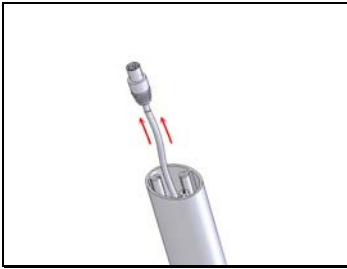


Screw to the lower holes.

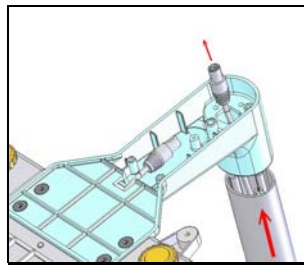


Screw to the upper holes.

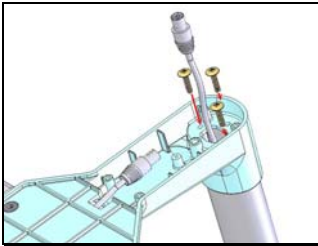
Screw to the lower holes.



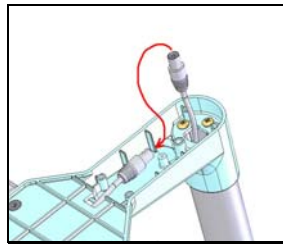
1. Run the cable through the column.



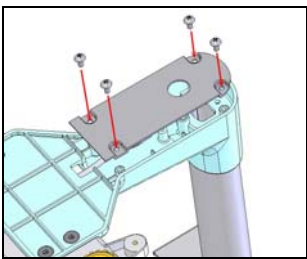
2. Run the cable through the base and screw the column to the base.



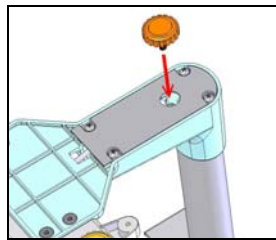
3. Tighten the three screws of the base by turning clockwise.



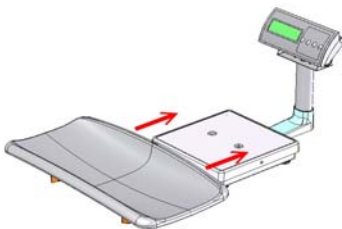
4. Connect the cable.



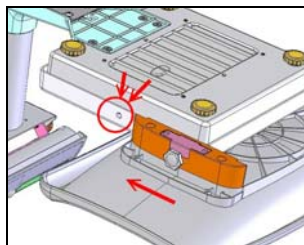
5: Fixed the screws



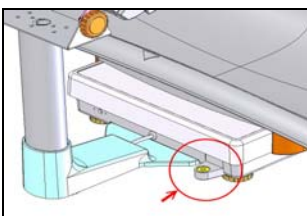
6.Fixed adjustable foot



7.Instal the infant tray



8.Fixed infant tray with 2 screws



9. Adjust the feet and level the scale.

7. ISTRUCTION FOR USE



WARNINGS!

BEFORE USE FOR CORRECT BATTERY CHARGING CONNECTTHE INSTRUMENT FOR 8 HOURS



WARNINGS!

At the end of the weighing operation, if the display does not return to 0.000, press the -> 0 <- key.

A Manual Operation

1. With the scale off, press the ON/OFF key.
2. When the scale is switched on, the display shows the screen 0.000.
3. TARE function. To avoid weighing clothing extraneous to the infant, place it on the platform and press the TARE key to annul the weight; the display will show 0.000.
4. Now place the infant on the platform. When the weight is stable, the scale will emit an acoustic signal indicating the exact weight.
5. If the infant moves and it is not possible to stabilise the weight, press the HOLD key to stabilise the weight on the display.

B Automatic Operation (function HOLD)

1. With the scale off, press the ON/OFF key.
2. When the scale is switched on, the display shows the screen 0.000.
3. Before positioning the infant on the platform, press the HOLD key. The display shows the word "Hold".
4. Position the infant on the platform and wait for the display to show the weight.

7.SETUP OTHER CHARACTERISTICS



Adjusting the auto-off time

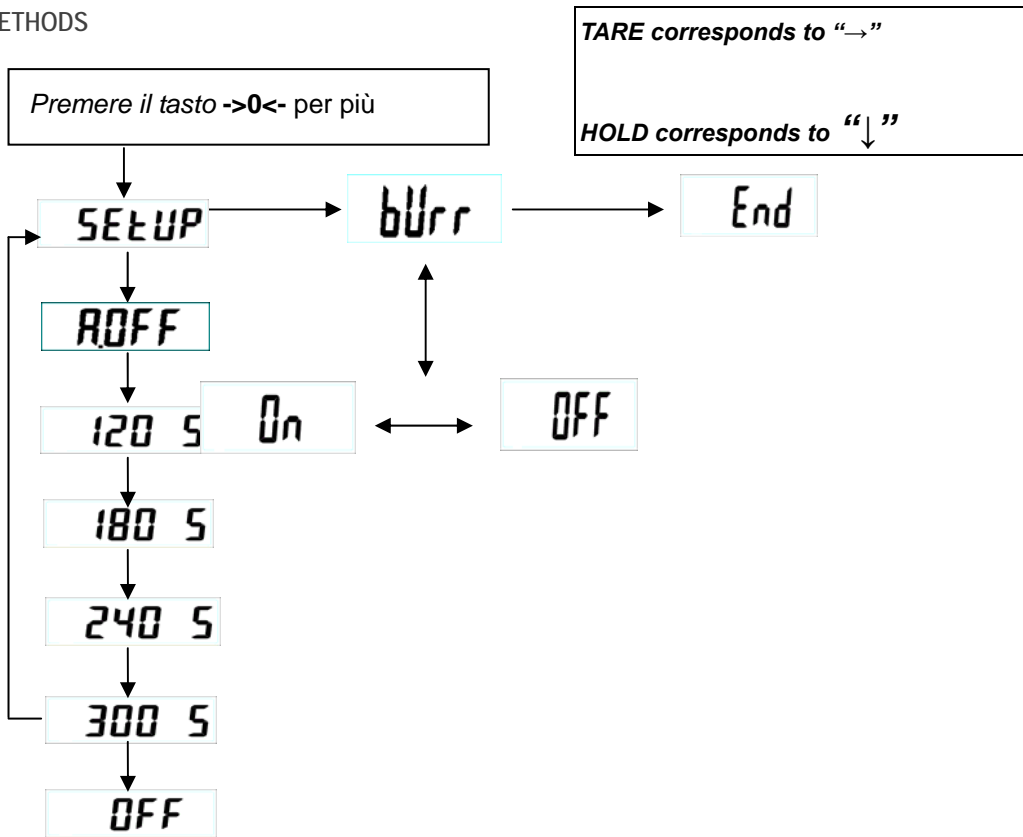
This specific function allows you to set the duration of the automatic switch-off.
When the programmed time has elapsed, the device will switch off automatically.



Setting the acoustic signaller

This function allows you to set the acoustic signal ON or OFF according to the user's preferences.

8.METHODS



for example: Set the AUTO-OFF time to 180s and the acoustic signaller to OFF mode

- Phase 1. Press the ->0<- key for 3 seconds to access the setting mode.
- Phase 2. Press HOLD to access the setting mode for the AUTO-OFF TIME when A.OFF is displayed.
- Phase 3. Press HOLD to set to 180s, i.e. the AUTO-OFF TIME corresponds to 180 seconds.
- Phase 4. Press TARE to return to A.OFF mode and press TARE to go to the bUrr setting mode.
- Phase 5. Press HOLD to access the setting mode of the acoustic signaller, then press TARE again to select OFF.
- Phase 6. Press HOLD to return to the bUrr setting mode.
- Phase 7. Press TARE to access the End mode and press HOLD to terminate the settings.

7.3 Instruction for charging and connecting



WARNINGS!

If the battery charge is low, the weights may not be precise.

If **Lo** prompt displays on the LCD, please charge the scale with exclusive adaptor.

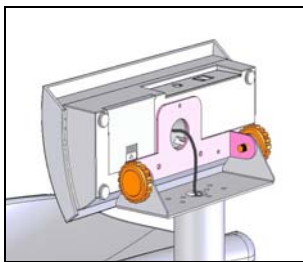
Locate adaptor plug on the rear side of indicator.

The battery should be recharged at least every 3 months regardless if it is used or not. After a long period in storage, e.g. over 3 months, the battery should run a full cycle (charge/discharge) to allow it to restore to full capacity.

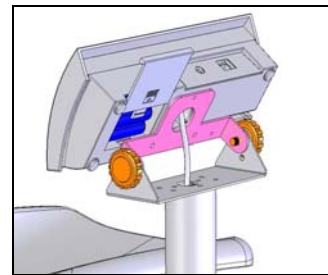
The scale does not require any routine maintenance. In any case, we recommend checking the precision of the scale at regular intervals. The frequency of this check depends on the level of use and the condition of the scale.

If you detect any imprecision, please contact your local dealer or the Wunder service centre.

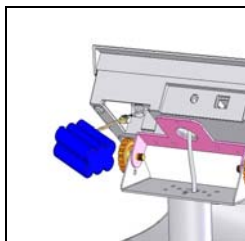
If the display shows "Lo", you need to recharge the batteries with the power supply provided, or replace the battery pack as follows:



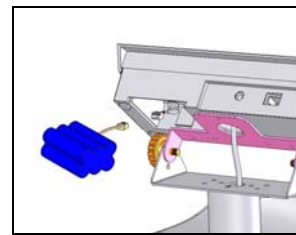
1. Locate the battery compartment cover situated



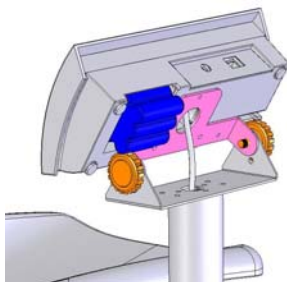
2. Remove the battery cover.



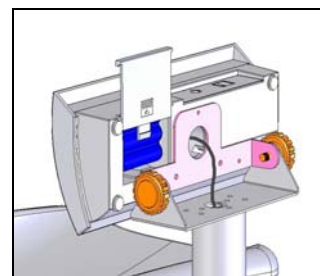
3. Remove the battery.



4. Disconnect the cable and extract it.



5. Replace the cable and re-connect it.



6. Re-position the battery pack and re-fit the cover.



WARNINGS!

The rechargeable batteries must be 7.2V-2000mAh (rechargeable NI-MH type).

We recommend using the instrument with the power supply connected to the electrical mains.

8.ERROR MESSAGE

ERROR MESSAGES (DISPLAY)	
<p>Lowbattery charge</p> <p>This message indicates that the battery voltage is too low and therefore the device cannot be used properly. Replace with a new battery or connect the adapter supplied for mains operation and recharging</p>	
<p>Weight error (too low)</p> <p>The load is below the minimum weight threshold when the power supply is switched on. Increase the weight and try again. If the error is still present, contact the customer service.</p>	
<p>Weight overload error (too high)</p> <p>The load exceeds the maximum limit when the power supply is supplied; reduce the weight and try again. If the problem persists, contact the customer service.</p>	
<p>EEPROM error</p> <p>Your scale has detected a programming error. Contact the customer service.</p>	

9. MAINTENANCE AND ASSISTANCE

For better and longer duration of the product it should receive thorough general cleaning periodically.

The instrument must be cleaned with a soft cloth moistened with water or neutral detergent, without using solvents or abrasive substances. If the instrument remains idle for a long period, remove the batteries from the terminal.

During shipping, make sure not to subject the instrument to blows or excessive mechanical stress.

In case of repairs or assistance, contact your dealer or an authorised service centre contacting service2@wunder.it or sales@wunder.it.

10. CONFORMITY

<p>WUNDER MODEL BABYONE ELECTRONIC SCALE SERIAL N°</p>
<p>We hereby certify that this instrument has been inspected and has successfully passed the functional test. It complies with the following standards and directives:</p> <p style="text-align: center;">EN 45501 / EN60601-1-2 / EN60601-1 93/42/EEC – Medical Devices Directive</p>



11. SCRAPPING AND WASTE DISPOSAL

If set aside for a long period, protect those parts which could be damaged due to dust build-up

Scrapping

When you decide to no longer use this item, we recommend making it unusable. We also recommend making those parts which could be sources of danger harmless

Waste disposal  EU 2002/96/EC

This product complies with the EU Directive 2002/96/EC. The symbol of the crossed-out waste bin on the appliance indicates that the product, needing to be treated separately from household waste, at the end of its useful life must be completed in a separate collection facility for electric and electronic appliances or returned to the dealer upon purchase of a new equivalent appliance. The user is responsible for bringing the appliance to an appropriate collection structure at the end of its life. Appropriate separate collection and sending the appliance for recycling, treatment and environmentally compatible waste disposal contributes to avoid possible negative effects on the environment and health and favours the recycling of the materials the product is made of.

For more detailed information regarding available collection systems, contact your local waste disposal service or the shop where the product was purchased.

As consumers, you are obliged by law to return used or dead batteries. You may deposit old batteries at public collection spots in your town or else with any battery dealer who has placed specific collectors for this purpose. Even when scrapping electric and electronic appliances, they must be removed and deposited in specific collectors.

NOTE: The following symbols indicate the presence of harmful substances

Pb Pb = batteries containing Lead

Cd Cd = batteries containing Cadmium

Hg Hg = Batteries containing Mercury



WARNINGS!

Do not throw electric parts and used batteries away with household waste. Dispose of the batteries by means of your closest collection centres.

12.WARRANTY

This certificate must be kept until the warranty has expired.

It must be presented together with the invoice, tax receipt or delivery note providing the name of the dealer and date of purchase whenever a technical intervention is required. Otherwise the user will lose any warranty rights.

The warranty takes effect from the date of purchase and is valid during the entire period foreseen by the current catalogue/pricelist.

By warranty we mean the replacement or repair free of charge of parts making up the appliance which, at the discretion of the manufacturer, are deemed faulty from the origin; Wunder therefore has the faculty of repairing or replacing the item.

The warranty does not cover:

- shipping faults, damage caused by falls, carelessness or tampering
- damage caused by incapability of using the appliance and of its improper use
- damage caused by an insufficient or inadequate electrical system or alterations resulting from environmental, climatic or other types of conditions
- damage due to incorrect installation of the appliance and repairs carried out by unauthorised personnel
- Interventions at home for convenience controls or presumed defects
- Routine maintenance and that which can be considered normal wear from use
- consumables such as: power supplies, batteries, keyboards, plates, wheels, heads, rolls, load cells faulty due to blows or overloads

Service can also be refused when the appliance has been changed or transformed in any way.

In case of interventions at one's home, the customer must pay the fixed fee; if however the appliance is repaired at an authorised Wunder Service Centre, expenses and relative travel risk are borne by the user.

Wunder will not be held liable for damage of any nature caused directly or indirectly to persons, animals or objects resulting from failure to comply with all the instructions indicated in this manual or anyway resulting from improper use.




The Court of Bergamo has jurisdiction in case of any dispute

13. IDENTIFICATION PLATES



WARNINGS!

The metrological plate applied indicates the year of manufacture, e.g. 06=2006,07=2007....and so on.

<p>WUNDER SA.BI. srl Mod. Baby 01  T 7214 13 Matr. 557</p> <p>CE 13 0291</p> <p>Max ₁ 10kg / Max ₂ 20kg e₁ = 5 g / e₂ = 10 g 5°C / 35°C</p> <p></p>	<p>BABY 01 Per la sostituzione della batteria (modello ricaricabile tipo :RETC 7,2 V 2000 mAh vedere il manuale di istruzioni) To replace the battery (rechargeable sealed type :RETC 7,2 V 2000 mAh see the manual)</p>
<p>Temperatura di stoccaggio: 0-60°C Storage Conditions Temperature :0-60°C</p> <p>BABY 01 stoccaggio</p>	<p>WUNDER Sa.Bi. S.r.L.     </p> <p>Model :BABY 01 15V 300 mA</p> <p>Internally powered equipment with battery or supplied by external model AD-8040 (DK) Internamente alimentata con batteria o da AC/DC alimentatore esterno modello AD-8040 (DK)</p> <p>SER. NR.</p>
<p>CONFORME ALLA DIRETTIVA 93/42 CEE</p> <p>CE 0470</p>	



WARNINGS!

At the end of the weighing operation, if the display does not return to 0.000, press the -> 0 <- key.

6.1 Repetition of the metrological verification

The instrument is supplied homologated with the first metrological verification (plate with green M) and the first periodic verification (green label) with the year of expiry for the next verification (Italy only). At the expiry indicated by the green label, we recommend having the periodic verification of the instrument performed in the event of malfunction.

Maintenance should be performed by qualified personnel only. The WUNDER customer service is at your disposal.



WARNINGS!

In some countries, the periodic verification can only be carried out by an authorised/qualified entity. Contact your distributor for further information and always comply with the local and national regulations of your country.



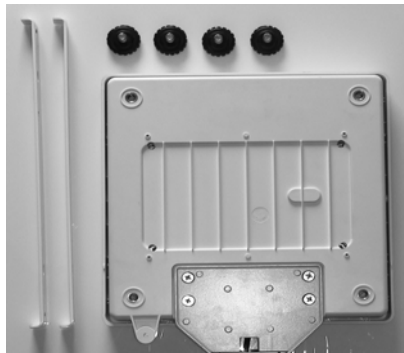

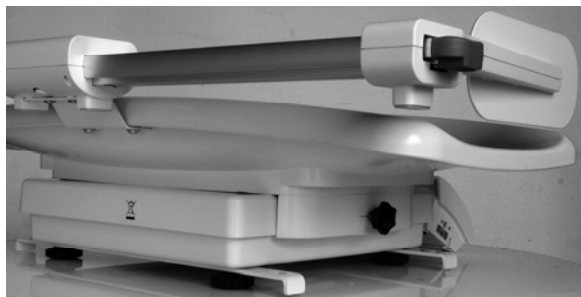
14.INSTALLATION BABY HEIGHT ROD



For the installation of digital height rod proceed as follow:

	<p>Fig.A</p>	<p>A) Apply the support of height rod to the scale's tray through the two screws supplied. (Figure .a).</p>
	<p>Fig.B</p>	<p>B) Insert the digital height rod into the support previously applied to the scale's tray. (Figure.b)</p>
	<p>Fig.C</p>	<p>C) The installation is now complete. (Figurec)</p>

15. INSTALL SECURITY BRACKETS

 <p>FIG 1</p>	<p>1. LOOSEN THE PLATE AND REMOVE THE FEET. (fig.1)</p>
 <p>FIG. 2</p>	<p>2. PLACE THE BAR AND SCREW THE ADJUSTABLE FEET. (fig.2)</p>
 <p>FIG.3</p>	<p>3. TURN THE SCALE AND MOUNT THE PLATE . (fig 3)</p>